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LETTER REPORT REGARDING ANNUAL GROUNDWATER MONITORING REPORT FOR
BACHELOR ENLISTED QUARTERS BUILDING 1586 NS MAYPORT FL
11/8/2000
TETRA TECH NUS



TETRA TECH NUS, INC.

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TtNUS-JAX-FY01-0006

November 8, 2000

Project Number 0397

James H. Cason, P.G.
Remedial Project Manager
Technical Review/Federal Facilities
Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Reference: Clean Contract No. N62467-94-D0888
Contract Task Order No. 0109

Subject: Annual Groundwater Monitoring Report
BEQ Building 1586, Naval Station Mayport
Mayport, Florida

Tetra Tech NUS, Inc. (TtNUS) is pleased to submit the Annual Groundwater Monitoring Report for the referenced Contract Task Order (CTO). This report has been prepared for the U. S. Navy Southern Division Naval Facilities Engineering Command under CTO-0109, for the Comprehensive Long-term Environmental Action Navy (CLEAN) Contract Number N62467-94-D-0888. This report provides the results of the 4th quarter monitoring activities combined with a review of the prior three quarters for the purpose of evaluating the site and determining recommended future actions.

MONITORING OBJECTIVES

The objective of the quarterly groundwater monitoring program at Building 1586 is to monitor the natural attenuation of a groundwater contaminant plume until cleanup levels are achieved. Groundwater contamination resulted from a 1991 release of heating oil from a pipeline associated with an underground storage tank (UST) at Building 1586. The location of the line release is shown in Figure 1. The monitoring program, contaminants of concern, and target concentrations are presented in the Florida Department of Environmental Protection (FDEP) approved Site Assessment Report Addendum with Monitoring Only Plan. The monitoring has been conducted pursuant to the FDEP requirements outlined in the comment letter and Monitoring Only Approval Order dated May 14, 1999 and Rule 62-770.690 (7) of the Florida Administrative Code (FAC).

Pursuant to the Monitoring Only Approval Order, Table V action levels or Groundwater Cleanup Target Levels (GCTLs) are appropriate for the downgradient well (MPT-BE-MW01S) and Table VIII GCTLs are appropriate for the source wells (MPT-BE-MW04S, MPT-BE-MW06S, and MPT-BE-MW09S).

First Quarterly Monitoring

Activities and results from the first quarter of free product monitoring and first quarter groundwater sampling event at Building 1586 conducted in August of 1999, are detailed in the first quarter monitoring report submitted to the FDEP on December 17, 1999. A summary of the data is included in Tables 1 and 2.

Mr. James H. Cason, P.G.

FDEP

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Second Quarterly Monitoring

Activities and results from the second quarter of free product monitoring and second quarter groundwater sampling event at Building 1586 conducted in December of 1999, are detailed in the second quarter monitoring report submitted to the FDEP on February 7, 2000. A summary of this data is included in Tables 1 and 2.

Third Quarterly Monitoring

Activities and results from the third quarter of free product monitoring and third quarter groundwater sampling event at Building 1586 conducted in February of 2000, are detailed in the third quarter monitoring report submitted to the FDEP on April 15, 2000. A summary of this data is included in Tables 1 and 2.

Fourth Quarterly Monitoring

On May 25, 2000, TtNUS personnel collected groundwater samples from four monitoring wells (MPT-BE-MW01S, MPT-BE-MW04S, MPT-BE-MW09S, and MPT-BE-MW10S) at Building 1586. A groundwater duplicate sample and an equipment blank water sample were also collected for quality control purposes. All sampling activities were conducted in accordance with TtNUS' FDEP approved, Comprehensive Quality Assurance Plan (CompQAP) #980038. A site map depicting well locations is presented as Figure 1.

Immediately prior to the collection of the groundwater samples, water level and product measurements were recorded from each site monitoring well. Approximately three feet of free phased petroleum product was detected in monitoring well MPT-BE-MW06S during this event (see below). The water level data was used to determine purge volumes and to construct a potentiometric surface map. Water level data collected on May 25, 2000 is presented in Table 1 and was used to produce Figure 2, which shows groundwater flowing primarily to the northwest. Water sampling logs, which detail the purge process, are provided in Attachment A.

Following collection of the groundwater samples, the sample bottles were packed on ice and shipped via overnight transport to Katahdin Analytical Services in Westbrook, Maine. The groundwater samples were analyzed for volatile organic aromatic (VOA) compounds by EPA Method 8260 and for semi-volatile organic compounds (SVOCs) including Polynuclear Aromatic Hydrocarbons (PAHs) by EPA Methods 8270 and 3510. The analytical results of the fourth quarterly groundwater sampling event are summarized in Table 2. A copy of the laboratory report is provided in Attachment B.

VOA concentrations were not detected in any of the monitoring wells sampled. PAH concentrations were detected in the sample collected from monitoring well MPT-BE-MW04S. The detected PAH compounds were acenaphthene, phenanthrene, pyrene and naphthalene. No PAH values exceeded respective GCTLs. A summary of groundwater analytical results is presented as Figure 3.

FREE PRODUCT OCCURRENCE

On April 30, 2000, a contractor installing a new UST in the same tank pit as the previously removed fuel oil UST spilled 1400 gallons of fuel oil. The release was reported to Mr. Jim Cason of FDEP. The contractor installed free product recovery wells. However, free product extraction was not initiated. As noted in the second and third quarter reports, a free product sheen was noted in well MPT-BE-MW06S. During the third quarter monitoring event conducted in February of 2000, 0.75 feet of free product was noted in the same well. During the fourth quarter monitoring event conducted in May of 2000, approximately three feet of free product was noted in the same well. No free product has been detected in any other site monitoring wells over the year long monitoring period.

The increasing thickness of free product in monitoring well MPT-BE-MW06S indicates that free product is migrating away from the Tank Pit area in which the spill occurred. Groundwater flow has been determined to be toward the northwest. Monitoring well MPT-BE-MW06S is located adjacent to the northwest side of the Tank Pit area.

DATA SUMMARY

Table 2 provides the results of all four quarter's monitoring data. Monitoring wells MPT-BE-MW01S, MPT-BE-MW04S, MPT-BE-MW06S, and MPT-BE-MW09S were sampled each of the four quarters while well MPT-BE-MW10S was sampled only in the fourth quarter. Review of the analytical data for quarters 1 through 4 shows that VOA constituents detected at the site include benzene, toluene, and ethylbenzene. PAH constituents detected at the site include the following: benzo(a)anthracene, acenaphthene, phenanthrene, pyrene, fluorene, and naphthalene.

Review of the distribution of contaminants at the site reveals that maximum concentrations have been encountered in well MPT-BE-MW06S located adjacent to the tank pit. Naphthalene has also been detected at elevated concentrations in well MPT-BE-MW04S located near the product line, which experienced the original 1991 release. However, PAH concentrations in this well decreased over the year long monitoring program to levels below GCTLs during the fourth quarter.

Constituents were not detected in monitoring well MPT-BE-MW-01S located north of the tank pit with the exception of a trace level of phenanthrene in the first quarter. Constituents were not detected in monitoring well MPT-BE-MW-09S, located upgradient of the site, with the exception of a trace level of benzo(a) anthracene in the second quarter. Monitoring well MPT-BE-MW10S, the farthest downgradient well, was tested in the fourth quarter only and was found to contain no detectable constituents.

Comparison of the data to Florida GCTLs show an exceedence of GCTL values in the two-source area wells (MPT-BE-MW04S and MPT-BE-MW06S). Based on FDEP guidance, a site with source area concentrations below Natural Attenuation Maximum Default Concentrations are candidates for monitoring only. Comparison of site data to these criteria shows that values for acenaphthene and naphthalene in well MPT-BE-MW06S exceed the criteria in second quarter data. Maximum default concentrations for natural attenuation monitoring are provided on Table 2.

CONCLUSIONS

Due to the February 30, 2000 oil spill, free product has been detected in well MPT-BE-MW06S. Based on FDEP guidance, petroleum sites that exhibit free product are not candidates for natural attenuation monitoring only status. Free product must be removed under the FDEP requirements outlined in FAC 62-770.300.

The second source area (1991 line release) has shown decreasing concentrations of PAH constituents over the monitoring program. As a result, it appears that impact to this area is attenuating with the most recent results falling below GCTLs.

RECOMMENDATIONS

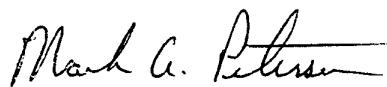
This effort was designed to evaluate the natural attenuation of constituents in groundwater, which resulted from the 1991 product line release at Building 1586. Data collected in support of this objective has shown impacts to groundwater from this release have attenuated to levels below GCTLs. As a result, we recommend no further action in regards to monitoring associated with the 1991 release.

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FDEP
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However, due to the recent free product release in the UST pit, free product has been detected. This release requires additional action in accordance with FDEP requirements. We recommend that an interim remedial action (IRA) be undertaken to mitigate the migration of free product from the vicinity of the tank pit. After completion of an IRA, an evaluation should be made to determine the course of further action, if any. Other potential actions may include additional site assessment work and evaluation for further corrective actions.

If you should have any questions or require additional information with regard to this submittal, please feel free to contact me at (904) 281-0400.

Sincerely,



Mark Peterson, P.G. # 1852
Task Order Manager


for

Debbie Wroblewski
Program Manager

Enclosures

- c: B. Washington, SDIV
 J. Bovier, NS Mayport
 D. Wroblewski (cover letter), TtNUS
 M. Perry / File, TtNUS

Table 1
Well Construction Data

11/8/00

BEQ Building 1586
Naval Station Mayport
Mayport, Florida

			August 30, 1999		December 2, 1999		February 29, 2000		May 25, 2000	
Well ID	Total Depth	Top of Casing Elevation	Groundwater Level	Groundwater Elevation						
MPT-BE-MW01S	13	9.38	4.91	4.47	4.45	4.93	4.88	4.5	5.41	3.97
MPT-BE-MW02S	13	9.49	NM	NM	NM	NM	NM	NM	NM	NM
MPT-BE-MW03S	13	10.35	NM	NM	NM	NM	NM	NM	NM	NM
MPT-BE-MW04S	13	9.98	5.33	4.65	4.88	5.1	5.23	4.75	5.85	4.13
MPT-BE-MW05S	13	9.27	NM	NM	NM	NM	NM	NM	NM	NM
MPT-BE-MW06S	13	10.98	8.57	2.41	6.89	4.09	5.91	5.07(FP)	5.61	5.37(FP)
MPT-BE-MW07S	13	9.31	NM	NM	NM	NM	NM	NM	NM	NM
MPT-BE-MW08I	30	9.73	NM	NM	NM	NM	NM	NM	NM	NM
MPT-BE-MW09S	13	9.8	5.04	4.76	4.65	5.15	4.97	4.83	5.6	4.2
MPT-BE-MW10S	13	10.26	NM	NM	NM	NM	NM	NM	6.26	4

NOTES:

Top of casing and groundwater elevations are relative to an arbitrary site reference elevation of 8.82 feet.

All measurements reported in feet.

NM – not measured.

FP - Free product in monitoring well.

Table 2
Groundwater Monitoring Well Analytical Summary

BEQ Building 1586
 Naval Station Mayport
 Mayport, Florida

Sample			Benzene	Toluene	Ethyl-benzene	Benzo(a)Anthracene	Acenaphthene	Phenanthrene	Pyrene	Fluorene	Naphthalene
Location	QTR	Date									
GCTL ⁽¹⁾			1	40	30	0.20	20	210	210	280	20
MADC ⁽²⁾			100	400	300	20.00	200	2100	2100	2800	200
MPT-BE-MW01S	Q1	8/30/99	<1	<1	<1	<0.05	<10	13.0	<10	<6	<10
	Q2	12/2/99	<1	<1	<1	<0.05	<10	<10	<10	<10	<10
	Q3	2/29/00	<1	<1	<1	<0.05	<10	<10	<10	<10	<10
	Q4	5/25/00	<1	<1	<1	<0.06	<10	<10	<10	<10	<10
MPT-BE-MW04S	Q1	8/30/99	<1	<1	<1	<0.05	<1	<10	<10	11.0	43.0
	Q2	12/2/99	<1	<1	<1	0.6	7.0	7.0	<40	11.0	28.0
	Q3	2/29/00	0.6	<1	<1	<0.05	<10	<5	<10	<10	34.0
	Q4	5/25/00	<1	<1	<1	<0.05	11.0	22.0	J 6.0	17.0	16.0
MPT-BE-MW06S	Q1	8/30/99	14.0	<1	72.0	<1	<10	12.0	ND	<10	16.0
	Q2	12/2/99	32.0	9.0	110.0	8.0	460.0	1000.0	200.0	630.0	1100.0
	*Q3	2/29/00	7.0	2.0	57.0	0.5	34.0	99.0	17.0	45.0	140.0
	Q4	5/25/00									
Free Product											
MPT-BE-MW09S	Q1	8/30/99	<1	<1	<1	<1	<10	<10	<10	<10	<10
	Q2	12/2/99	<1	<1	<1	0.1	<48	<48	<48	<48	<48
	Q3	2/29/00	<1	<1	<1	<0.05	<10	<10	<10	<10	<10
	Q4	5/25/00	<1	<1	<1	<0.06	<10	<10	<10	<10	<10
MPT-BE-MW10S	Q4	5/25/00	<1	<1	<1	<1	<10	<10	<10	<10	<10

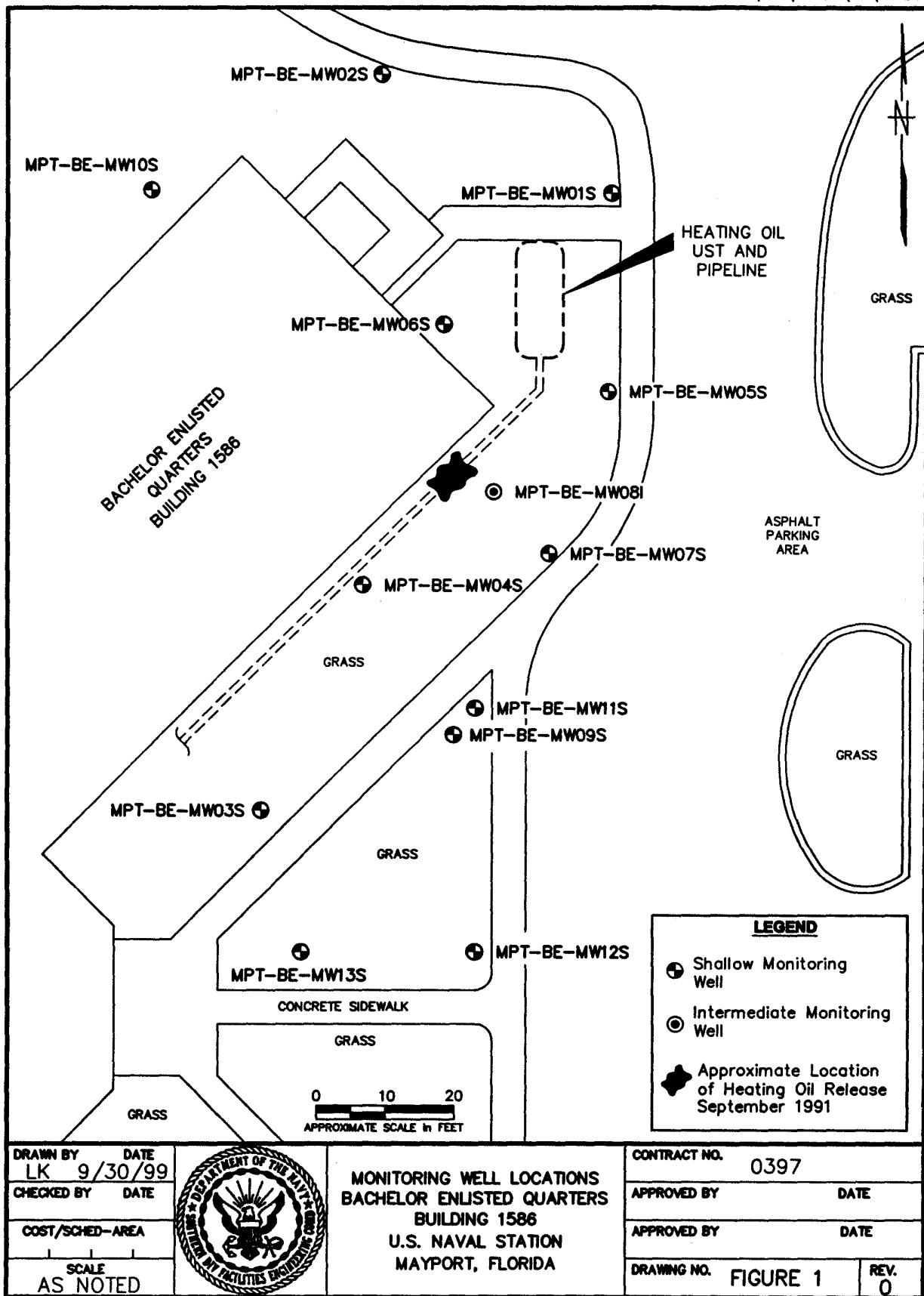
NOTES:

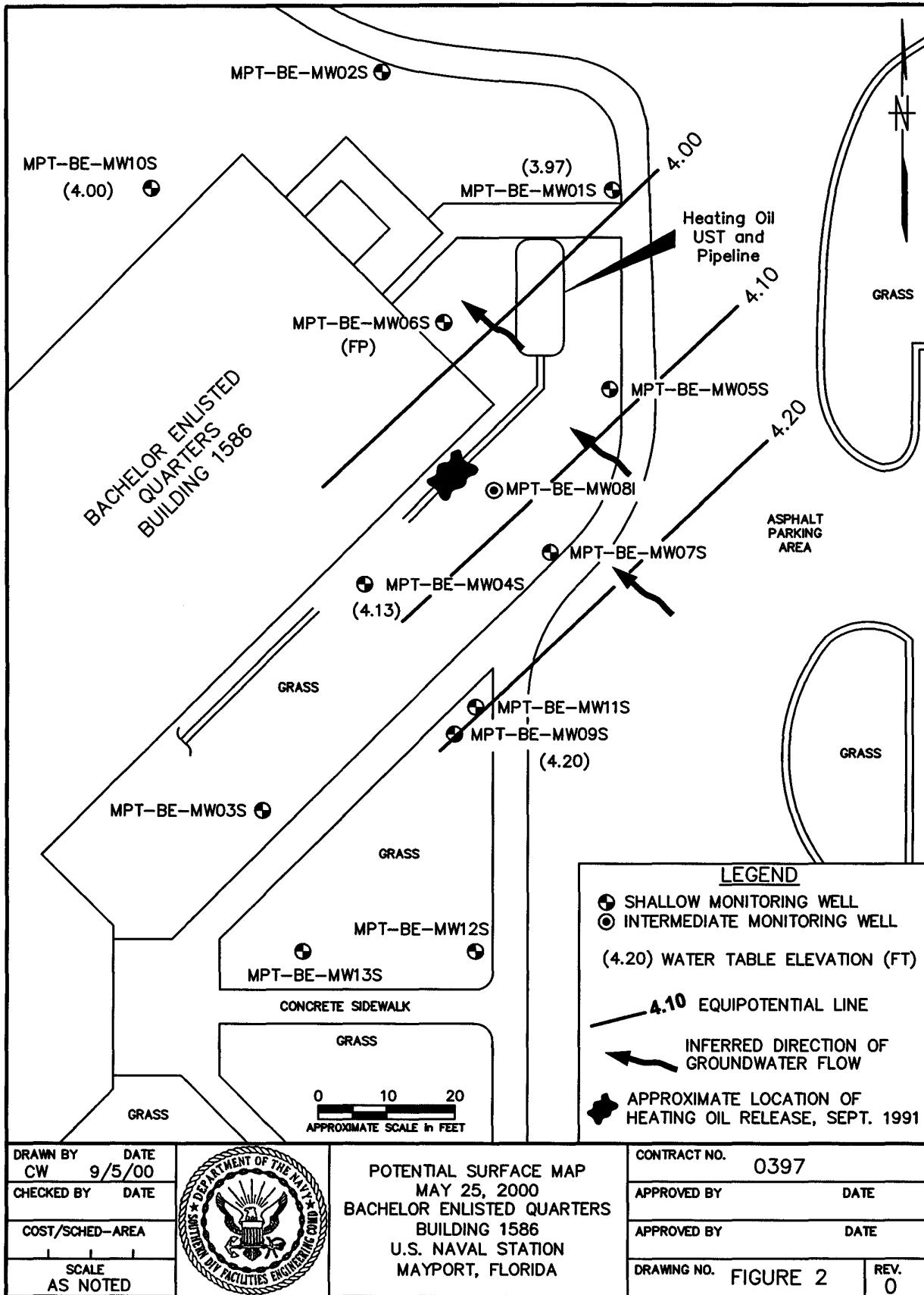
⁽¹⁾ GCTL Groundwater cleanup target levels as specified in Table VIII of Chapter 62-770, Florida Administrative Code.

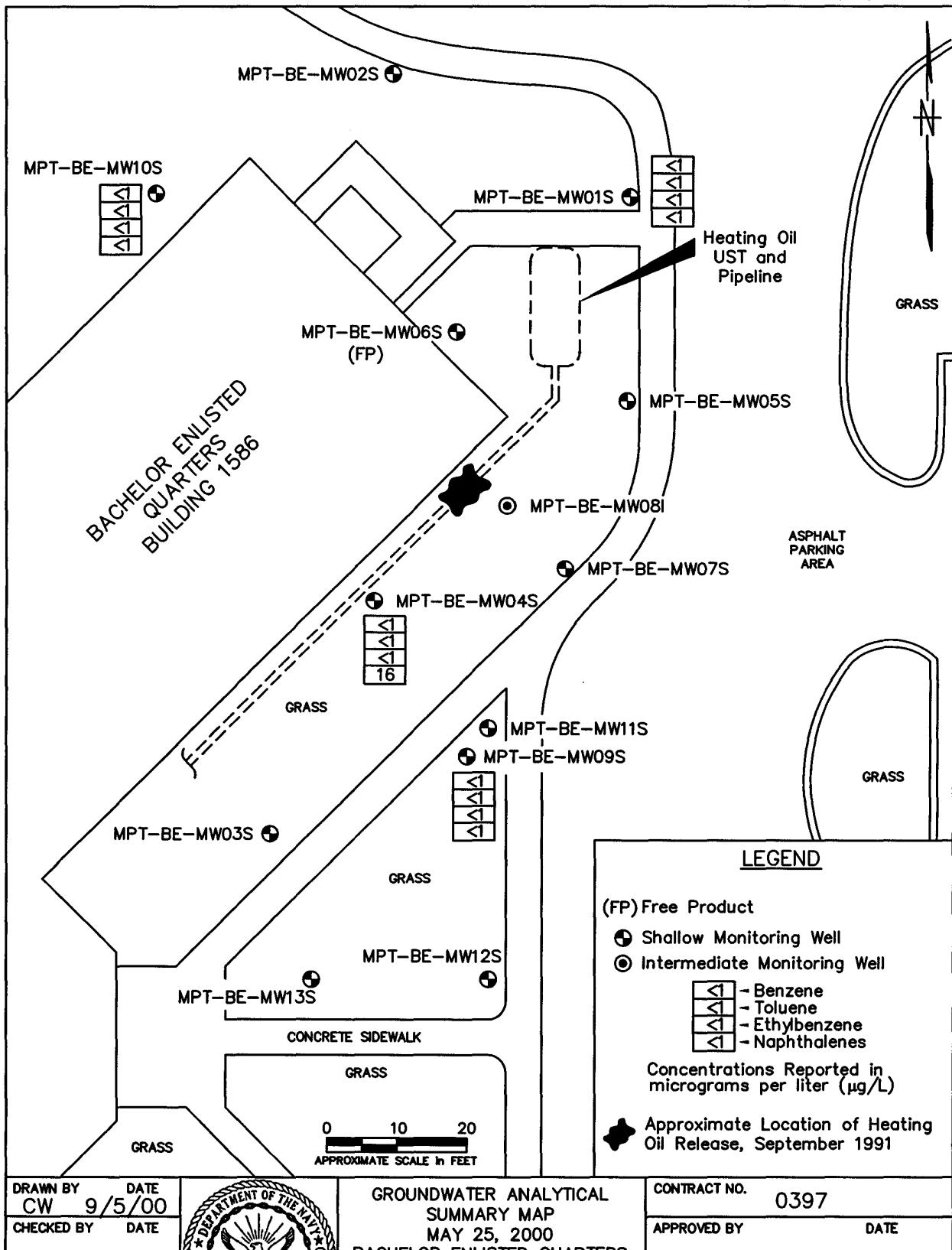
Concentrations reported in micrograms per liter for all chemicals

⁽²⁾ MADC= Maximum Attenuation Default Concentrations Chapter 62-777, FAC

* = Free product was encountered in well. A groundwater sample was extracted and analyzed.







DRAWN BY CW DATE 9/5/00

CHECKED BY DATE

COST/SCHED-AREA

SCALE AS NOTED



GROUNDWATER ANALYTICAL SUMMARY MAP
MAY 25, 2000
BACHELOR ENLISTED QUARTERS
BUILDING 1586
U.S. NAVAL STATION
MAYPORT, FLORIDA

CONTRACT NO. 0397

APPROVED BY DATE

APPROVED BY DATE

DRAWING NO. FIGURE 3 REV. 0

ATTACHMENT A
WATER SAMPLING LOGS



DEP Form # 62-770 (REV.3)
Form Title: Pollution or Pollution Production
Water Sampling Log
Effective Date: September 21, 1997

**Petroleum or Petroleum Products
Water Sampling Log**

FDEP FACILITY NO.: 1586 **WELL NO.:** 1586 **SAMPLE ID:** MW-06 **DATE:** 5/25/03
SITE NAME: Bridgeman **SITE LOCATION:** NJ Mansfield

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)
WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.



DEP Form # 62-770 (REV 11/93)
Form Title: Presumptions or Presumptions Productivity
Water Sampling Log
Effective Date: September 11, 1997

**Petroleum or Petroleum Products
Water Sampling Log**

FDEP FACILITY NO.: WELL NO.: SAMPLE ID: MW-09 DATE: 5/25/09
SITE NAME: Ridge 1586 SITE LOCATION: Mangport

PURGE DATA							
WELL DIAMETER (in):	2"	TOTAL WELL DEPTH (ft):	13.05	DEPTH TO WATER (ft):	5.60	WELL CAPACITY (gal/ft):	0.16
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =							
$(13.05 - 5.60) \times 0.16 = 1.192 \times 5 = 5.96$							
PURGE METHOD:	Bailey			PURGING INITIATED AT:	PURGING ENDED AT:		
WELL VOL. PURGED (gal)	CUMUL. VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (µmhos)	PURGE RATE (gpm):	TOTAL VOLUME PURGED (gal):	
1	-	N/A	N/A	N/A	clear	none	-
2							
3							
4							
5		↓	↓	↓	↓	↓	

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: this does not constitute all the information required by Chapter 62-169, F.A.C.



DEP Form # 62-770 (REV. 1)
Form Title: Preliminary or Preliminary Products
Water Sampling Log
Effective Date: September 23, 1997

**Petroleum or Petroleum Products
Water Sampling Log**

FDEP FACILITY NO.: WELL NO.: SAMPLE ID: MW01 DATE: 5/25/00
SITE NAME: Bdg 158C SITE LOCATION: NS Mayport

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O - OTHER (SPECIFY)

WELL CAPACITY: $1.25'' = 0.06 \text{ gal/ft}$; $2'' = 0.16 \text{ gal/ft}$; $4'' = 0.65 \text{ gal/ft}$; $6'' = 1.47 \text{ gal/ft}$; $8'' = 2.61 \text{ gal/ft}$; $12'' = 5.88 \text{ gal/ft}$

NOTE: this does not constitute all the information required by Chapter 62-169, F.A.C.



DEP Form # 62-770 (REV.1)
 Form Title: Petroleum or Petroleum Products
 Water Sampling Log
 Effective Date: September 13, 1997

Petroleum or Petroleum Products Water Sampling Log

FDEP FACILITY NO.:	WELL NO.:	SAMPLE ID: MW-105	DATE: 5/25/02
SITE NAME: Bldg 1586	SITE LOCATION: NS Playport		

PURGE DATA												
WELL DIAMETER (in):	TOTAL WELL DEPTH (ft):	DEPTH TO WATER (ft):	WELL CAPACITY (gal/ft):									
2"	12.65	6.26	0.16									
I WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY = $(12.65 - 6.26) \times 0.16 = 1.0224 \times 5 = 5.11$												
PURGE METHOD: Bunker			PURGING INITIATED AT:	PURGING ENDED AT:								
WELL VOL. PURGED	CUMUL. VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (μmhos)	PURGE RATE (gpm):	TOTAL VOLUME PURGED (gal):						
						COLOR	ODOR					
					1	N/A	N/A	N/A	clear	none	—	—
					1	2						
					1	3						
1	4											
1	5	↓	↓	↓	↓							

SAMPLING DATA							
SAMPLED BY / AFFILIATION			SAMPLER(S) SIGNATURE(S)				
SAMPLING METHOD(S):			SAMPLING INITIATED AT:			SAMPLING ENDED AT:	
FIELD DECONTAMINATION: Y N			FIELD-FILTERED: Y N			DUPLICATE: Y N	
SAMPLE CONTAINER SPECIFICATIONS			SAMPLE PRESERVATION				
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (ml)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)

WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 3.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-168, F.A.C.



DEP Form # 62-770-900(X-1)
Form Title: Premiums or Premium Products
Water Sampling Log
Effective Date: September 23, 1997

**Petroleum or Petroleum Products
Water Sampling Log**

FDEP FACILITY NO.: WELL NO.: SAMPLE ID: M-11-04 DATE: 5/25/00
SITE NAME: B1 de 1586 **SITE LOCATION:** NS Mangport.

PURGE DATA								
WELL DIAMETER (in):	2 ^{1/4}	TOTAL WELL DEPTH (ft):	13.15	DEPTH TO WATER (ft):	5.85	WELL CAPACITY (gal/ft):	0.16	
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) x WELL CAPACITY =								
$= (13.15 - 5.85) \times 0.16 = 1.168 \times 5 = 5.84$								
PURGE METHOD:				PURGING INITIATED AT:	PURGING ENDED AT:			
WELL VOL. PURGED	CUMUL. VOLUME PURGED (gal)	pH	TEMP. (°C)	COND. (µmhos)	PURGE RATE (gpm):	TOTAL VOLUME PURGED (gal):		
					COLOR	ODOR	APPEARANCE	OTHER
1	1	N/A	N/A	N/A	clear	none	-	-
1	2				↓	↓		
1	3				↓	↓		
1	4				↓	↓		
1	5	↓	↓	↓	↓	↓		

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; HDP = HIGH DENSITY POLYETHYLENE; O = OTHER (SPECIFY)
WELL CAPACITY: 1.25" = 0.06 gal/ft; 2" = 0.16 gal/ft; 4" = 0.65 gal/ft; 6" = 1.47 gal/ft; 8" = 2.61 gal/ft; 12" = 5.88 gal/ft

NOTE: this does not constitute all the information required by Chapter 62-160, F.A.C.

ATTACHMENT B
LABORATORY ANALYTICAL REPORT



June 21, 2000

Mr. Rick Ofsanko
Tetra Tech NUS
794 Military Trail
Deerfield Beach, FL 33442

RE: Katahdin Lab Number: WQ1512
Project ID: CTO#109
Project Manager: Ms. Andrea J. Colby
Sample Receipt Date(s): 5/26/00

Dear Mr. Ofsanko:

Please find enclosed the following information:

- * Report of Analysis
- * Quality Control Data Summary
- * Chain of Custody (COC)
- * Confirmation

A copy of the Chain of Custody is included in the paginated report. The original COC is attached as an addendum to this report.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact the project manager listed above. This cover letter is an integral part of the ROA.

We appreciate your continued use of our laboratory and look forward to working with you in the future. The following signature indicates technical review and acceptance of the data.

Sincerely,

KATAHDIN ANALYTICAL SERVICES

Maria Crouch
Authorized Signature

06/22/00
Date



**SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH
CASE MAYPORT, FL**

Sample Receipt

The following samples were received on May 26, 2000 and were logged in under Katahdin Analytical Services work order number WQ1512 for a hardcopy due date of June 23, 2000.

KATAHDIN	TTNUS
<u>Sample No.</u>	<u>Sample Identification</u>
WQ1512-1	MAY-BE-MW01S
WQ1512-2	MAY-BE-MW04S
WQ1512-3	MAY-BE-MW09S
WQ1512-4	MAY-BE-DUP
WQ1512-5	MAY-BE-MW10S
WQ1512-6	TRIP BLANK

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Volatile Organic Analysis

Six aqueous samples were received by the Katahdin Analytical Services, Inc. GC/MS laboratory on May 26, 2000 and were specified to be analyzed for the priority pollutant list of volatile organics in accordance with USEPA method 8260B.

Analyses for this SDG were performed on instrument 5972-S. A VSTD050 (50 ppb standard) was used for the continuing calibration standard. Internal standard and surrogate compounds were also spiked at 50 ppb.

Batch QC (VBLK, and LCS) was performed in the twelve hour window. Results are included in this data package. The LCS QC sample was spiked with the entire list of compounds quantitated for at 50 ppb. No matrix spike/matrix duplicate pair was analyzed on any of the samples in this workorder.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" (Software-generated) on the pertinent quantitation reports. All "M" flags have been dated and initialed by the analyst performing the integration. In addition, all "M" flags have been reviewed and approved by the GC/MS supervisor. Copies of each manual integration are included in the pertinent quantitation reports.

No other protocol deviations were noted by the volatile organics staff.



Semivolatile Organic Analysis

Five aqueous samples were received by the Katahdin GC/MS laboratory on March 26, 2000 for analysis for the priority pollutant list of analytes in accordance with USEPA method 8270C. The samples were also requested to be analyzed for the PAH list of analytes in accordance with USEPA method 8270C, modified to use selected ion monitoring to achieve lower detection limits.

Extraction of the samples occurred following method 3520 protocols on June 1, 2000, along with a laboratory control sample/laboratory control sample duplicate. No matrix spike/matrix spike duplicate pair was extracted on any of the samples in this workorder.

The LCS/LCSD pair was analyzed by both scan and SIM methods. The spiking levels were for scan analyses, and were reported for both these and SIM analyses even though over the upper limit of the calibration curve for SIM. Surrogate recoveries were only reported for the scan analyses due to the high spiking levels.

Several manual integrations were performed due to split peaks; all have been flagged with a "M" by the data system. All manual integrations have been dated and initialed by the responsible analyst. Copies of each manual integration are included in the data package. All manual integrations have been reviewed and approved by the GC/MS supervisor.

No other protocol deviations were noted by the semivolatiles organics staff.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager and/or his designee, as verified by the following signature.

Maria Crouch
Authorized Signature
06/22/00



KATAHDIN ANALYTICAL SERVICES

Summary of Report Notes

Report Note	Note Text
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J	'J' flag denotes an estimated value less than the Laboratory's Practical Quantitation Level.
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KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-1
SDG: WQ1512
Report Date: 6/19/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/13/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW01S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG
Compound	Result	Units	DF	Sample PQL	Method PQL		
N-NITROSODIMETHYLAMINE	<10	ug/L	1.0	10	10		
PHENOL	<10	ug/L	1.0	10	10		
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10		
2-CHLOROPHENOL	<10	ug/L	1.0	10	10		
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10		
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10		
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10		
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10		
N-NITROSO-DI-N-PROPYLAMINE	<10	ug/L	1.0	10	10		
HEXACHLOROETHANE	<10	ug/L	1.0	10	10		
NITROBENZENE	<10	ug/L	1.0	10	10		
ISOPHORONE	<10	ug/L	1.0	10	10		
2-NITROPHENOL	<10	ug/L	1.0	10	10		
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10		
BIS(2-CHLOROETHOXY)METHANE	<10	ug/L	1.0	10	10		
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10		
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10		
NAPHTHALENE	<10	ug/L	1.0	10	10		
HEXACHLOROBUTADIENE	<10	ug/L	1.0	10	10		
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10		
HEXACHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10		
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10		
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10		
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10		
ACENAPHTHYLENE	<10	ug/L	1.0	10	10		
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10		
ACENAPHTHENE	<10	ug/L	1.0	10	10		
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25		
4-NITROPHENOL	<25	ug/L	1.0	25	25		
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10		
DIETHYL PHTHALATE	<10	ug/L	1.0	10	10		
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10		
FLUORENE	<10	ug/L	1.0	10	10		

Report Notes: J



KATAHDIN ANALYTICAL SERVICES

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Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/13/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW01S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DIPHENYLHYDRAZINE	<10	ug/L	1.0	10	10
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25
PHENANTHRENE	<10	ug/L	1.0	10	10
ANTHRACENE	<10	ug/L	1.0	10	10
DI-N-BUTYLPHthalate	<10	ug/L	1.0	10	10
FLUORANTHENE	<10	ug/L	1.0	10	10
BENZIDINE	<25	ug/L	1.0	25	25
PYRENE	<10	ug/L	1.0	10	10
BUTYLBENZYLPHthalate	<10	ug/L	1.0	10	10
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10
CHRYSENE	<10	ug/L	1.0	10	10
BIS(2-ETHYLHEXYL)PHTHALATE	J5	ug/L	1.0	10	10
DI-N-OCTYLPHthalate	<10	ug/L	1.0	10	10
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[A]PYRENE	<10	ug/L	1.0	10	10
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10
2-FLUOROPHENOL	67	%	1.0		
PHENOL-D6	72	%	1.0		
NITROBENZENE-D5	60	%	1.0		
2-FLUOROBIPHENYL	64	%	1.0		
2,4,6-TRIBROMOPHENOL	62	%	1.0		
TERPHENYL-D14	78	%	1.0		

Report Notes: J



KATAHDIN ANALYTICAL SERVICES

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794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442
Proj. ID: MAYPORT,FL

Lab Number: WQ1512-1
SDG: WQ1512
Report Date: 6/19/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: EPA 8270
Date Analyzed: 6/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW01S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG
Compound	Result	Units	DF	Sample PQL	Method PQL		
BENZO[A]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[B]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[K]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[A]PYRENE	<0.05	ug/L	1.0	0.05	0.05		
INDENO[1,2,3-CD]PYRENE	<0.05	ug/L	1.0	0.05	0.05		
DIBENZ[A,H]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-1
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW01S	AQ	5/25/00	5/26/00	6/1/00	BEM	5030	BEM
Compound	Result	Units	DF	Sample PQL	Method PQL		
CHLOROMETHANE	<2	ug/L	1.0	2	2		
BROMOMETHANE	<2	ug/L	1.0	2	2		
VINYL CHLORIDE	<2	ug/L	1.0	2	2		
CHLOROETHANE	<2	ug/L	1.0	2	2		
METHYLENE CHLORIDE	<1	ug/L	1.0	1	1		
TRICHLOROFLUOROMETHANE	<2	ug/L	1.0	2	2		
ACROLEIN	<5	ug/L	1.0	5	5		
ACRYLONITRILE	<50	ug/L	1.0	50	50		
1,1-DICHLOROETHENE	<1	ug/L	1.0	1	1		
1,1-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHENE (TRANS)	<1	ug/L	1.0	1	1		
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1	1		
CHLOROFORM	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
CARBON TETRACHLORIDE	<1	ug/L	1.0	1	1		
BROMODICHLOROMETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1	1		
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TRICHLOROETHENE	<1	ug/L	1.0	1	1		
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1	1		
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
BENZENE	<1	ug/L	1.0	1	1		
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TOTAL 1,3-DICHLOROPROPENE	<2	ug/L	1.0	2	2		
2-CHLOROETHYL VINYLETHER	<10	ug/L	1.0	10	10		
BROMOFORM	<1	ug/L	1.0	1	1		
TETRACHLOROETHENE	<1	ug/L	1.0	1	1		
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1	1		
TOLUENE	<1	ug/L	1.0	1	1		
CHLORBENZENE	<1	ug/L	1.0	1	1		
ETHYLBENZENE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE-D4	100	%	1.0				

Report Notes:



KATAHDIN ANALYTICAL SERVICES REPORT OF ANALYTICAL RESULTS

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DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-1
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW01S	AQ	5/25/00	5/26/00	6/1/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	86	%	1.0		
DIBROMOFLUOROMETHANE	103	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

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Client: RICK OFSANKO
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794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-2
SDG: WQ1512
Report Date: 6/19/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/13/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW04S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
N-NITROSODIMETHYLAMINE	<10	ug/L	1.0	10	10
PHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10
2-CHLOROPHENOL	<10	ug/L	1.0	10	10
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10
N-NITROSO-DI-N-PROPYLAMINE	<10	ug/L	1.0	10	10
HEXACHLOROETHANE	<10	ug/L	1.0	10	10
NITROBENZENE	<10	ug/L	1.0	10	10
ISOPHORONE	<10	ug/L	1.0	10	10
2-NITROPHENOL	<10	ug/L	1.0	10	10
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHOXY)METHANE	<10	ug/L	1.0	10	10
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10
NAPHTHALENE	16	ug/L	1.0	10	10
HEXACHLOROBUTADIENE	<10	ug/L	1.0	10	10
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10
HEXACHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10
ACENAPHTHYLENE	<10	ug/L	1.0	10	10
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10
ACENAPHTHENE	11	ug/L	1.0	10	10
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25
4-NITROPHENOL	<25	ug/L	1.0	25	25
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10
DIETHYLPHTHALATE	<10	ug/L	1.0	10	10
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10
FLUORENE	17	ug/L	1.0	10	10

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SDG: WQ1512
Report Date: 6/19/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/13/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW04S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DIPHENYLHYDRAZINE	<10	ug/L	1.0	10	10
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25
PHENANTHRENE	22	ug/L	1.0	10	10
ANTHRACENE	<10	ug/L	1.0	10	10
DI-N-BUTYLPHTHALATE	<10	ug/L	1.0	10	10
FLUORANTHENE	<10	ug/L	1.0	10	10
BENZIDINE	<25	ug/L	1.0	25	25
PYRENE	J6	ug/L	1.0	10	10
BUTYLBENZYLPHthalate	<10	ug/L	1.0	10	10
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10
CHRYSENE	<10	ug/L	1.0	10	10
BIS(2-ETHYLHEXYL)PHTHALATE	J7	ug/L	1.0	10	10
DI-N-OCTYLPHTHALATE	<10	ug/L	1.0	10	10
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[A]PYRENE	<10	ug/L	1.0	10	10
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10
2-FLUOROPHENOL	71	%	1.0		
PHENOL-D6	70	%	1.0		
NITROBENZENE-D5	71	%	1.0		
2-FLUOROBIPHENYL	66	%	1.0		
2,4,6-TRIBROMOPHENOL	76	%	1.0		
TERPHENYL-D14	41	%	1.0		

Report Notes: J



KATAHDIN ANALYTICAL SERVICES

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794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-2
SDG: WQ1512
Report Date: 6/19/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: EPA 8270
Date Analyzed: 6/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW04S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG
Compound	Result	Units	DF	Sample PQL	Method PQL		
BENZO[A]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[B]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[K]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[A]PYRENE	<0.05	ug/L	1.0	0.05	0.05		
INDENO[1,2,3-CD]PYRENE	<0.05	ug/L	1.0	0.05	0.05		
DIBENZ[A,H]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05		

Report Notes:



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TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-2
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW04S	AQ	5/25/00	5/26/00	6/1/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
CHLOROMETHANE	<2	ug/L	1.0	2	2
BROMOMETHANE	<2	ug/L	1.0	2	2
VINYL CHLORIDE	<2	ug/L	1.0	2	2
CHLOROETHANE	<2	ug/L	1.0	2	2
METHYLENE CHLORIDE	<1	ug/L	1.0	1	1
TRICHLOROFUOROMETHANE	<2	ug/L	1.0	2	2
ACROLEIN	<5	ug/L	1.0	5	5
ACRYLONITRILE	<50	ug/L	1.0	50	50
1,1-DICHLOROETHENE	<1	ug/L	1.0	1	1
1,1-DICHLOROETHANE	<1	ug/L	1.0	1	1
1,2-DICHLOROETHENE (TRANS)	<1	ug/L	1.0	1	1
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1	1
CHLOROFORM	<1	ug/L	1.0	1	1
1,2-DICHLOROETHANE	<1	ug/L	1.0	1	1
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1	1
CARBON TETRACHLORIDE	<1	ug/L	1.0	1	1
BROMODICHLOROMETHANE	<1	ug/L	1.0	1	1
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1	1
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1
TRICHLOROETHENE	<1	ug/L	1.0	1	1
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1	1
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1	1
BENZENE	<1	ug/L	1.0	1	1
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1
TOTAL 1,3-DICHLOROPROPENE	<2	ug/L	1.0	2	2
2-CHLOROETHYL VINYL ETHER	<10	ug/L	1.0	10	10
BROMOFORM	<1	ug/L	1.0	1	1
TETRACHLOROETHENE	<1	ug/L	1.0	1	1
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1	1
TOLUENE	<1	ug/L	1.0	1	1
CHLOROBENZENE	<1	ug/L	1.0	1	1
ETHYLBENZENE	<1	ug/L	1.0	1	1
1,2-DICHLOROETHANE-D4	100	%	1.0		

Report Notes:



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794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-2
SDG: WQ1512
Report Date: 6/16/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW04S	AQ	5/25/00	5/26/00	6/1/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	103	%	1.0		
P-BROMOFLUOROBENZENE	91	%	1.0		
DIBROMOFLUOROMETHANE	108	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-3
SDG: WQ1512
Report Date: 6/19/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/14/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW09S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
N-NITROSODIMETHYLAMINE	<10	ug/L	1.0	10	10
PHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10
2-CHLOROPHENOL	<10	ug/L	1.0	10	10
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10
N-NITROSO-DI-N-PROPYLAMINE	<10	ug/L	1.0	10	10
HEXACHLOROETHANE	<10	ug/L	1.0	10	10
NITROBENZENE	<10	ug/L	1.0	10	10
ISOPHORONE	<10	ug/L	1.0	10	10
2-NITROPHENOL	<10	ug/L	1.0	10	10
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHOXY)METHANE	<10	ug/L	1.0	10	10
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10
NAPHTHALENE	<10	ug/L	1.0	10	10
HEXACHLOROBUTADIENE	<10	ug/L	1.0	10	10
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10
HEXACHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10
ACENAPHTHYLENE	<10	ug/L	1.0	10	10
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10
ACENAPHTHENE	<10	ug/L	1.0	10	10
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25
4-NITROPHENOL	<25	ug/L	1.0	25	25
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10
DIETHYLPHTHALATE	<10	ug/L	1.0	10	10
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10
FLUORENE	<10	ug/L	1.0	10	10

Report Notes: J



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PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/14/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW09S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DIPHENYLHYDRAZINE	<10	ug/L	1.0	10	10
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25
PHENANTHRENE	<10	ug/L	1.0	10	10
ANTHRACENE	<10	ug/L	1.0	10	10
DI-N-BUTYLPHthalate	<10	ug/L	1.0	10	10
FLUORANTHENE	<10	ug/L	1.0	10	10
BENZIDINE	<25	ug/L	1.0	25	25
PYRENE	<10	ug/L	1.0	10	10
BUTYLBENZYLPHthalate	<10	ug/L	1.0	10	10
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10
CHRYSENE	<10	ug/L	1.0	10	10
BIS(2-ETHYLHEXYL)PHTHALATE	J9	ug/L	1.0	10	10
DI-N-OCTYLPHthalate	<10	ug/L	1.0	10	10
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[A]PYRENE	<10	ug/L	1.0	10	10
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10
2-FLUOROPHENOL	60	%	1.0		
PHENOL-D6	66	%	1.0		
NITROBENZENE-D5	57	%	1.0		
2-FLUOROBIPHENYL	64	%	1.0		
2,4,6-TRIBROMOPHENOL	93	%	1.0		
TERPHENYL-D14	71	%	1.0		

Report Notes: J



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794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-3
SDG: WQ1512
Report Date: 6/19/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: EPA 8270
Date Analyzed: 6/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW09S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
BENZO[A]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05
BENZO[B]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05
BENZO[K]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05
BENZO[A]PYRENE	<0.05	ug/L	1.0	0.05	0.05
INDENO[1,2,3-CD]PYRENE	<0.05	ug/L	1.0	0.05	0.05
DIBENZ[A,H]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05

Report Notes:



KATAHDIN ANALYTICAL SERVICES

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794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-3
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW09S	AQ	5/25/00	5/26/00	6/1/00	BEM	5030	BEM
Compound	Result	Units	DF	Sample PQL	Method PQL		
CHLOROMETHANE	<2	ug/L	1.0	2	2		
BROMOMETHANE	<2	ug/L	1.0	2	2		
VINYL CHLORIDE	<2	ug/L	1.0	2	2		
CHLOROETHANE	<2	ug/L	1.0	2	2		
METHYLENE CHLORIDE	<1	ug/L	1.0	1	1		
TRICHLOROFLUOROMETHANE	<2	ug/L	1.0	2	2		
ACROLEIN	<5	ug/L	1.0	5	5		
ACRYLONITRILE	<50	ug/L	1.0	50	50		
1,1-DICHLOROETHENE	<1	ug/L	1.0	1	1		
1,1-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHENE (TRANS)	<1	ug/L	1.0	1	1		
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1	1		
CHLOROFORM	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
CARBON TETRACHLORIDE	<1	ug/L	1.0	1	1		
BROMODICHLOROMETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1	1		
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TRICHLOROETHENE	<1	ug/L	1.0	1	1		
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1	1		
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
BENZENE	<1	ug/L	1.0	1	1		
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TOTAL 1,3-DICHLOROPROPENE	<2	ug/L	1.0	2	2		
2-CHLOROETHYL VINYL ETHER	<10	ug/L	1.0	10	10		
BROMOFORM	<1	ug/L	1.0	1	1		
TETRACHLOROETHENE	<1	ug/L	1.0	1	1		
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1	1		
TOLUENE	<1	ug/L	1.0	1	1		
CHLOROBENZENE	<1	ug/L	1.0	1	1		
ETHYLBENZENE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE-D4	93	%	1.0				

Report Notes:



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Proj. ID: MAYPORT,FL

Lab Number: WQ1512-3
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW09S	AQ	5/25/00	5/26/00	6/1/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	89	%	1.0		
DIBROMOFLUOROMETHANE	100	%	1.0		

Report Notes:



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Proj. ID: MAYPORT,FL

Lab Number: WQ1512-4
SDG: WQ1512
Report Date: 6/19/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/13/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-DUP	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
N-NITROSODIMETHYLAMINE	<10	ug/L	1.0	10	10
PHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10
2-CHLOROPHENOL	<10	ug/L	1.0	10	10
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10
N-NITROSO-DI-N-PROPYLAMINE	<10	ug/L	1.0	10	10
HEXACHLOROETHANE	<10	ug/L	1.0	10	10
NITROBENZENE	<10	ug/L	1.0	10	10
ISOPHORONE	<10	ug/L	1.0	10	10
2-NITROPHENOL	<10	ug/L	1.0	10	10
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHOXY)METHANE	<10	ug/L	1.0	10	10
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10
NAPHTHALENE	28	ug/L	1.0	10	10
HEXACHLOROBUTADIENE	<10	ug/L	1.0	10	10
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10
HEXACHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10
ACENAPHTHYLENE	<10	ug/L	1.0	10	10
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10
ACENAPHTHENE	19	ug/L	1.0	10	10
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25
4-NITROPHENOL	<25	ug/L	1.0	25	25
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10
DIETHYLPHTHALATE	<10	ug/L	1.0	10	10
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10
FLUORENE	30	ug/L	1.0	10	10

Report Notes:



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Report Date: 6/19/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/13/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-DUP	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DIPHENYLHYDRAZINE	<10	ug/L	1.0	10	10
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25
PHENANTHRENE	47	ug/L	1.0	10	10
ANTHRACENE	<10	ug/L	1.0	10	10
DI-N-BUTYLPHTHALATE	<10	ug/L	1.0	10	10
FLUORANTHENE	<10	ug/L	1.0	10	10
BENZIDINE	<25	ug/L	1.0	25	25
PYRENE	12	ug/L	1.0	10	10
BUTYLBENZYLPHthalate	<10	ug/L	1.0	10	10
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10
CHRYSENE	<10	ug/L	1.0	10	10
BIS(2-ETHYLHEXYL)PHTHALATE	13	ug/L	1.0	10	10
DI-N-OCTYLPHTHALATE	<10	ug/L	1.0	10	10
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[A]PYRENE	<10	ug/L	1.0	10	10
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10
2-FLUOROPHENOL	76	%	1.0		
PHENOL-D6	72	%	1.0		
NITROBENZENE-D5	81	%	1.0		
2-FLUOROBIPHENYL	62	%	1.0		
2,4,6-TRIBROMOPHENOL	87	%	1.0		
TERPHENYL-D14	38	%	1.0		

Report Notes:



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794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-4
SDG: WQ1512
Report Date: 6/19/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: EPA 8270
Date Analyzed: 6/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-DUP	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
BENZO[A]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05
BENZO[B]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05
BENZO[K]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05
BENZO[A]PYRENE	<0.05	ug/L	1.0	0.05	0.05
INDENO[1,2,3-CD]PYRENE	<0.05	ug/L	1.0	0.05	0.05
DIBENZ[A,H]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05

Report Notes:



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DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-4
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-DUP	AQ	5/25/00	5/26/00	6/1/00	BEM	5030	BEM
Compound	Result	Units	DF	Sample PQL	Method PQL		
CHLOROMETHANE	<2	ug/L	1.0	2	2		
BROMOMETHANE	<2	ug/L	1.0	2	2		
VINYL CHLORIDE	<2	ug/L	1.0	2	2		
CHLOROETHANE	<2	ug/L	1.0	2	2		
METHYLENE CHLORIDE	<1	ug/L	1.0	1	1		
TRICHLOROFLUOROMETHANE	<2	ug/L	1.0	2	2		
ACROLEIN	<5	ug/L	1.0	5	5		
ACRYLONITRILE	<50	ug/L	1.0	50	50		
1,1-DICHLOROETHENE	<1	ug/L	1.0	1	1		
1,1-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHENE (TRANS)	<1	ug/L	1.0	1	1		
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1	1		
CHLOROFORM	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
CARBON TETRACHLORIDE	<1	ug/L	1.0	1	1		
BROMODICHLOROMETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1	1		
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TRICHLOROETHENE	<1	ug/L	1.0	1	1		
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1	1		
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
BENZENE	J0.7	ug/L	1.0	1	1		
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TOTAL 1,3-DICHLOROPROPENE	<2	ug/L	1.0	2	2		
2-CHLOROETHYL VINYL ETHER	<10	ug/L	1.0	10	10		
BROMOFORM	<1	ug/L	1.0	1	1		
TETRACHLOROETHENE	<1	ug/L	1.0	1	1		
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1	1		
TOLUENE	<1	ug/L	1.0	1	1		
CHLOROBENZENE	<1	ug/L	1.0	1	1		
ETHYLBENZENE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE-D4	94	%	1.0				

Report Notes: J



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Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-4
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-DUP	AQ	5/25/00	5/26/00	6/1/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	103	%	1.0		
P-BROMOFLUOROBENZENE	92	%	1.0		
DIBROMOFLUOROMETHANE	104	%	1.0		

Report Notes: J



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REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-5
SDG: WQ1512
Report Date: 6/19/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/13/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW10S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG
Compound	Result	Units	DF	Sample PQL	Method PQL		
N-NITROSODIMETHYLAMINE	<10	ug/L	1.0	10	10		
PHENOL	<10	ug/L	1.0	10	10		
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10		
2-CHLOROPHENOL	<10	ug/L	1.0	10	10		
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10		
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10		
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10		
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10		
N-NITROSO-DI-N-PROPYLAMINE	<10	ug/L	1.0	10	10		
HEXACHLOROETHANE	<10	ug/L	1.0	10	10		
NITROBENZENE	<10	ug/L	1.0	10	10		
ISOPHORONE	<10	ug/L	1.0	10	10		
2-NITROPHENOL	<10	ug/L	1.0	10	10		
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10		
BIS(2-CHLOROETHOXY)METHANE	<10	ug/L	1.0	10	10		
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10		
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10		
NAPHTHALENE	<10	ug/L	1.0	10	10		
HEXACHLOROBUTADIENE	<10	ug/L	1.0	10	10		
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10		
HEXACHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10		
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10		
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10		
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10		
ACENAPHTHYLENE	<10	ug/L	1.0	10	10		
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10		
ACENAPHTHENE	<10	ug/L	1.0	10	10		
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25		
4-NITROPHENOL	<25	ug/L	1.0	25	25		
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10		
DIETHYLPHTHALATE	<10	ug/L	1.0	10	10		
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10		
FLUORENE	<10	ug/L	1.0	10	10		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

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% Solids: N/A
Method: SW8270
Date Analyzed: 6/13/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW10S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DIPHENYLHYDRAZINE	<10	ug/L	1.0	10	10
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25
PHENANTHRENE	<10	ug/L	1.0	10	10
ANTHRACENE	<10	ug/L	1.0	10	10
DI-N-BUTYLPHTHALATE	<10	ug/L	1.0	10	10
FLUORANTHENE	<10	ug/L	1.0	10	10
BENZIDINE	<25	ug/L	1.0	25	25
PYRENE	<10	ug/L	1.0	10	10
BUTYLBENZYLPHthalate	<10	ug/L	1.0	10	10
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10
CHRYSENE	<10	ug/L	1.0	10	10
BIS(2-ETHYLHEXYL)PHTHALATE	<10	ug/L	1.0	10	10
DI-N-OCTYLPHTHALATE	<10	ug/L	1.0	10	10
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[A]PYRENE	<10	ug/L	1.0	10	10
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10
2-FLUOROPHENOL	65	%	1.0		
PHENOL-D6	67	%	1.0		
NITROBENZENE-D5	65	%	1.0		
2-FLUOROBIPHENYL	66	%	1.0		
2,4,6-TRIBROMOPHENOL	78	%	1.0		
TERPHENYL-D14	53	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

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DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-5
SDG: WQ1512
Report Date: 6/19/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: EPA 8270
Date Analyzed: 6/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW10S	AQ	5/25/00	5/26/00	6/1/2000	JRN	SW3520	JG
Compound	Result	Units	DF	Sample PQL	Method PQL		
BENZO[A]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[B]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[K]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[A]PYRENE	<0.05	ug/L	1.0	0.05	0.05		
INDENO[1,2,3-CD]PYRENE	<0.05	ug/L	1.0	0.05	0.05		
DIBENZ[A,H]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-5
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW10S	AQ	5/25/00	5/26/00	6/1/00	BEM	5030	BEM
				Sample PQL	Method PQL		
Compound	Result	Units	DF				
CHLOROMETHANE	<2	ug/L	1.0	2	2		
BROMOMETHANE	<2	ug/L	1.0	2	2		
VINYL CHLORIDE	<2	ug/L	1.0	2	2		
CHLOROETHANE	<2	ug/L	1.0	2	2		
METHYLENE CHLORIDE	<1	ug/L	1.0	1	1		
TRICHLOROFLUOROMETHANE	<2	ug/L	1.0	2	2		
ACROLEIN	<5	ug/L	1.0	5	5		
ACRYLONITRILE	<50	ug/L	1.0	50	50		
1,1-DICHLOROETHENE	<1	ug/L	1.0	1	1		
1,1-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHENE (TRANS)	<1	ug/L	1.0	1	1		
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1	1		
CHLOROFORM	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
CARBON TETRACHLORIDE	<1	ug/L	1.0	1	1		
BROMODICHLOROMETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1	1		
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TRICHLOROETHENE	<1	ug/L	1.0	1	1		
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1	1		
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
BENZENE	<1	ug/L	1.0	1	1		
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TOTAL 1,3-DICHLOROPROPENE	<2	ug/L	1.0	2	2		
2-CHLOROETHYL VINYL ETHER	<10	ug/L	1.0	10	10		
BROMOFORM	<1	ug/L	1.0	1	1		
TETRACHLOROETHENE	<1	ug/L	1.0	1	1		
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1	1		
TOLUENE	<1	ug/L	1.0	1	1		
CHLOROBENZENE	<1	ug/L	1.0	1	1		
ETHYLBENZENE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE-D4	95	%	1.0				

Report Notes:



KATAHDIN ANALYTICAL SERVICES REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
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794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-5
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
MAY-BE-MW10S	AQ	5/25/00	5/26/00	6/1/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	100	%	1.0		
P-BROMOFLUOROBENZENE	94	%	1.0		
DIBROMOFLUOROMETHANE	103	%	1.0		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
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DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: WQ1512-6
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TRIP BLANK	AQ	5/23/00	5/26/00	6/1/00	BEM	5030	BEM
Compound		Result	Units	DF	Sample PQL	Method PQL	
CHLOROMETHANE	<2	ug/L	1.0	2	2		
BROMOMETHANE	<2	ug/L	1.0	2	2		
VINYL CHLORIDE	<2	ug/L	1.0	2	2		
CHLOROETHANE	<2	ug/L	1.0	2	2		
METHYLENE CHLORIDE	<1	ug/L	1.0	1	1		
TRICHLOROFLUOROMETHANE	<2	ug/L	1.0	2	2		
ACROLEIN	<5	ug/L	1.0	5	5		
ACRYLONITRILE	<50	ug/L	1.0	50	50		
1,1-DICHLOROETHENE	<1	ug/L	1.0	1	1		
1,1-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHENE (TRANS)	<1	ug/L	1.0	1	1		
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1	1		
CHLOROFORM	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
CARBON TETRACHLORIDE	<1	ug/L	1.0	1	1		
BROMODICHLOROMETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1	1		
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TRICHLOROETHENE	<1	ug/L	1.0	1	1		
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1	1		
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
BENZENE	<1	ug/L	1.0	1	1		
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TOTAL 1,3-DICHLOROPROPENE	<2	ug/L	1.0	2	2		
2-CHLOROETHYL VINYL ETHER	<10	ug/L	1.0	10	10		
BROMOFORM	<1	ug/L	1.0	1	1		
TETRACHLOROETHENE	<1	ug/L	1.0	1	1		
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1	1		
TOLUENE	<1	ug/L	1.0	1	1		
CHLOROBENZENE	<1	ug/L	1.0	1	1		
ETHYLBENZENE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE-D4	92	%	1.0				

Report Notes:



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SDG: WQ1512
Report Date: 6/16/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
TRIP BLANK	AQ	5/23/00	5/26/00	6/1/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	101	%	1.0		
P-BROMOFLUOROBENZENE	89	%	1.0		
DIBROMOFLUOROMETHANE	100	%	1.0		

Report Notes:

4A
VOLATILE ORGANICS METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLKS01A

Lab Name: Katahdin Analytical Services

SDG No.: WQ1512

Lab File ID: S0214

Lab Sample ID: VBLKS01A

Date Analyzed: 06/01/00

Time Analyzed: 10:12

GC Column: RTX-624 ID: 0.18 (mm)

Heated Purge: (Y/N) N

Instrument ID: 5972-S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS'S, MS AND MSD'S :

Client Sample ID	Lab Sample ID	Lab Data File	Date Injected	Time Injected
LCSS01A	LCSS01A	S0213	6/1/00	9:25:00 AM
MAY-BE-MW01S	WQ1512-1	S0215	6/1/00	11:09:00 AM
MAY-BE-MW04S	WQ1512-2	S0216	6/1/00	11:49:00 AM
MAY-BE-MW09S	WQ1512-3	S0217	6/1/00	12:29:00 PM
MAY-BE-DUP	WQ1512-4	S0218	6/1/00	1:09:00 PM
MAY-BE-MW10S	WQ1512-5	S0219	6/1/00	1:49:00 PM
TRIP BLANK	WQ1512-6	S0220	6/1/00	2:29:00 PM



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Proj. ID: MAYPORT,FL

Lab Number: VBLKS01A
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
VBLKS01A	AQ	-	-	6/1/00	BEM	5030	BEM
Compound	Result	Units	DF	Sample PQL	Method PQL		
CHLOROMETHANE	<2	ug/L	1.0	2	2		
BROMOMETHANE	<2	ug/L	1.0	2	2		
VINYL CHLORIDE	<2	ug/L	1.0	2	2		
CHLOROETHANE	<2	ug/L	1.0	2	2		
METHYLENE CHLORIDE	2	ug/L	1.0	1	1		
TRICHLOROFLUOROMETHANE	<2	ug/L	1.0	2	2		
ACROLEIN	<5	ug/L	1.0	5	5		
ACRYLONITRILE	<50	ug/L	1.0	50	50		
1,1-DICHLOROETHENE	<1	ug/L	1.0	1	1		
1,1-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHENE (TRANS)	<1	ug/L	1.0	1	1		
TOTAL 1,2-DICHLOROETHENE	<1	ug/L	1.0	1	1		
CHLOROFORM	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE	<1	ug/L	1.0	1	1		
1,1,1-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
CARBON TETRACHLORIDE	<1	ug/L	1.0	1	1		
BROMODICHLOROMETHANE	<1	ug/L	1.0	1	1		
1,2-DICHLOROPROPANE	<1	ug/L	1.0	1	1		
CIS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TRICHLOROETHENE	<1	ug/L	1.0	1	1		
DIBROMOCHLOROMETHANE	<1	ug/L	1.0	1	1		
1,1,2-TRICHLOROETHANE	<1	ug/L	1.0	1	1		
BENZENE	<1	ug/L	1.0	1	1		
TRANS-1,3-DICHLOROPROPENE	<1	ug/L	1.0	1	1		
TOTAL 1,3-DICHLOROPROPENE	<2	ug/L	1.0	2	2		
2-CHLOROETHYL VINYL ETHER	<10	ug/L	1.0	10	10		
BROMOFORM	<1	ug/L	1.0	1	1		
TETRACHLOROETHENE	<1	ug/L	1.0	1	1		
1,1,2,2-TETRACHLOROETHANE	<1	ug/L	1.0	1	1		
TOLUENE	<1	ug/L	1.0	1	1		
CHLOROBENZENE	<1	ug/L	1.0	1	1		
ETHYLBENZENE	<1	ug/L	1.0	1	1		
1,2-DICHLOROETHANE-D4	94	%	1.0				

Report Notes:



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TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: VBLKS01A
SDG: WQ1512
Report Date: 6/16/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8260
Date Analyzed: 6/1/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
VBLKS01A	AQ	-	-	6/1/00	BEM	5030	BEM

Compound	Result	Units	DF	Sample PQL	Method PQL
TOLUENE-D8	98	%	1.0		
P-BROMOFLUOROBENZENE	84	%	1.0		
DIBROMOFLUOROMETHANE	104	%	1.0		

Report Notes:

Katahdin Analytical Services
8260 LCS Recovery Sheet

Lab File: S0213

Sample ID: LCSS01A

Date Run: 6/1/00

Analyst: BEM

Time Injected: 9:25:00 AM

Matrix: AQ

Compound Name	Spike Amt (ug/L)	Result (ug/L)	Rec (%)	Limits (%)
1,1,1-TRICHLOROETHANE	50	42.5	85	60-140
1,1,2,2-TETRACHLOROETHANE	50	49.7	99	60-140
1,1,2-TRICHLOROETHANE	50	53.4	107	60-140
1,1-DICHLOROETHANE	50	45.0	90	60-140
1,1-DICHLOROETHENE	50	40.9	82	60-140
1,2-DICHLOROETHANE	50	50.5	101	60-140
1,2-DICHLOROETHENE (TRANS)	50	46.4	93	60-140
1,2-DICHLOROPROPANE	50	45.6	91	60-140
2-CHLOROETHYL VINYLETHER	50	41.6	83	60-140
ACROLEIN	50	45.7	91	60-140
ACRYLONITRILE	50	48.6	97	60-140
BENZENE	50	43.7	87	60-140
BROMODICHLOROMETHANE	50	45.9	92	60-140
BROMOFORM	50	58.9	118	60-140
BROMOMETHANE	50	40.9	82	60-140
CARBON TETRACHLORIDE	50	49.5	99	60-140
CHLOROBENZENE	50	45.6	91	60-140
CHLOROETHANE	50	36.8	74	60-140
CHLOROFORM	50	47.5	95	60-140
CHLOROMETHANE	50	38.6	77	60-140
CIS-1,3-DICHLOROPROPENE	50	52.0	104	60-140
DIBROMOCHLOROMETHANE	50	49.9	100	60-140
ETHYLBENZENE	50	46.1	92	60-140
METHYLENE CHLORIDE	50	45.5	91	60-140
TETRACHLOROETHENE	50	46.6	93	60-140
TOLUENE	50	44.2	88	60-140
TOTAL 1,2-DICHLOROETHENE	100	90.9	91	60-140
TOTAL 1,3-DICHLOROPROPENE	100	108	108	60-140
TRANS-1,3-DICHLOROPROPENE	50	55.8	112	60-140
TRICHLOROETHENE	50	47.1	94	60-140
TRICHLOROFUOROMETHANE	50	42.8	86	60-140
VINYL CHLORIDE	50	36.8	74	60-140

* Out of Limits

1

4B
SEMIVOLATILE ORGANICS METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK;060100

Lab Name: Katahdin Analytical Services

SDG No.: WQ1512

Lab File ID: K4530

Lab Sample ID: SBLK;060100

Instrument ID: 5970-K

Date Extracted: 6/1/2000

GC Column: RTX-5 ID: 0.25 (mm)

Date Analyzed: 06/13/00

Matrix: (soil/water) WATER

Time Analyzed: 17:34

Level: (low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS'S, MS AND MSD'S :

Client Sample ID	Lab Sample ID	Lab Data File	Date Injected	Time Injected
MAY-BE-MW01S	WQ1512-1	K4531	6/13/00	6:19:00 PM
MAY-BE-MW04S	WQ1512-2	K4532	6/13/00	7:04:00 PM
MAY-BE-DUP	WQ1512-4	K4534	6/13/00	8:34:00 PM
MAY-BE-MW10S	WQ1512-5	K4535	6/13/00	9:19:00 PM
MAY-BE-MW09S	WQ1512-3	K4547	6/14/00	4:06:00 PM



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: SBLK;060100
SDG: WQ1512
Report Date: 6/19/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/13/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
SBLK;060100	AQ	-	-	6/1/2000	JRN	SW3520	JG
Compound	Result	Units	DF	Sample PQL	Method PQL		
N-NITROSODIMETHYLAMINE	<10	ug/L	1.0	10	10		
PHENOL	<10	ug/L	1.0	10	10		
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10		
2-CHLOROPHENOL	<10	ug/L	1.0	10	10		
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10		
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10		
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10		
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10		
N-NITROSO-DI-N-PROPYLAMINE	<10	ug/L	1.0	10	10		
HEXACHLOROETHANE	<10	ug/L	1.0	10	10		
NITROBENZENE	<10	ug/L	1.0	10	10		
ISOPHORONE	<10	ug/L	1.0	10	10		
2-NITROPHENOL	<10	ug/L	1.0	10	10		
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10		
BIS(2-CHLOROETHOXY)METHANE	<10	ug/L	1.0	10	10		
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10		
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10		
NAPHTHALENE	<10	ug/L	1.0	10	10		
HEXACHLOROBUTADIENE	<10	ug/L	1.0	10	10		
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10		
HEXACHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10		
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10		
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10		
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10		
ACENAPHTHYLENE	<10	ug/L	1.0	10	10		
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10		
ACENAPHTHENE	<10	ug/L	1.0	10	10		
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25		
4-NITROPHENOL	<25	ug/L	1.0	25	25		
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10		
DIETHYLPHTHALATE	<10	ug/L	1.0	10	10		
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10		
FLUORENE	<10	ug/L	1.0	10	10		

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: SBLK;060100
SDG: WQ1512
Report Date: 6/19/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/13/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
SBLK;060100	AQ	-	-	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DIPHENYLHYDRAZINE	<10	ug/L	1.0	10	10
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25
PHENANTHRENE	<10	ug/L	1.0	10	10
ANTHRACENE	<10	ug/L	1.0	10	10
DI-N-BUTYLPHTHALATE	<10	ug/L	1.0	10	10
FLUORANTHENE	<10	ug/L	1.0	10	10
BENZIDINE	<25	ug/L	1.0	25	25
PYRENE	<10	ug/L	1.0	10	10
BUTYLBENZYLPHthalate	<10	ug/L	1.0	10	10
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10
CHRYSENE	<10	ug/L	1.0	10	10
BIS(2-ETHYLHEXYL)PHTHALATE	<10	ug/L	1.0	10	10
DI-N-OCTYLPHTHALATE	<10	ug/L	1.0	10	10
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10
BENZO[A]PYRENE	<10	ug/L	1.0	10	10
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10
2-FLUOROPHENOL	87	%	1.0		
PHENOL-D6	87	%	1.0		
NITROBENZENE-D5	79	%	1.0		
2-FLUOROBIPHENYL	77	%	1.0		
2,4,6-TRIBROMOPHENOL	75	%	1.0		
TERPHENYL-D14	98	%	1.0		

Report Notes:

4B
SEMIVOLATILE ORGANICS METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK;060100.

Lab Name: Katahdin Analytical Services

SDG No.: WQ1512

Lab File ID: Z4860

Lab Sample ID: SBLK;060100.

Instrument ID: 5972-Z

Date Extracted: 6/1/2000

GC Column: RTX-5 ID: 0.25 (mm)

Date Analyzed: 06/03/00

Matrix: (soil/water) WATER

Time Analyzed: 20:25

Level: (low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS'S, MS AND MSD'S :

Client Sample ID	Lab Sample ID	Lab Data File	Date Injected	Time Injected
LCS;060100	LCS;060100	Z4861	6/3/00	9:09:00 PM
LCSD;060100	LCSD;060100	Z4862	6/3/00	9:51:00 PM



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: SBLK;060100.
SDG: WQ1512
Report Date: 6/19/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/3/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
SBLK;060100.	AQ	-	-	6/1/2000	JRN	SW3520	JG

Compound	Result	Units	DF	Sample PQL	Method PQL
N-NITROSODIMETHYLAMINE	<10	ug/L	1.0	10	10
PHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHYL)ETHER	<10	ug/L	1.0	10	10
2-CHLOROPHENOL	<10	ug/L	1.0	10	10
1,3-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,4-DICHLOROBENZENE	<10	ug/L	1.0	10	10
1,2-DICHLOROBENZENE	<10	ug/L	1.0	10	10
2,2'-OXYBIS(1-CHLOROPROPANE)	<10	ug/L	1.0	10	10
N-NITROSO-DI-N-PROPYLAMINE	<10	ug/L	1.0	10	10
HEXACHLOROETHANE	<10	ug/L	1.0	10	10
NITROBENZENE	<10	ug/L	1.0	10	10
ISOPHORONE	<10	ug/L	1.0	10	10
2-NITROPHENOL	<10	ug/L	1.0	10	10
2,4-DIMETHYLPHENOL	<10	ug/L	1.0	10	10
BIS(2-CHLOROETHOXY)METHANE	<10	ug/L	1.0	10	10
2,4-DICHLOROPHENOL	<10	ug/L	1.0	10	10
1,2,4-TRICHLOROBENZENE	<10	ug/L	1.0	10	10
NAPHTHALENE	<10	ug/L	1.0	10	10
HEXA-CHLOROBUTADIENE	<10	ug/L	1.0	10	10
4-CHLORO-3-METHYLPHENOL	<10	ug/L	1.0	10	10
HEXA-CHLOROCYCLOPENTADIEN	<10	ug/L	1.0	10	10
2,4,6-TRICHLOROPHENOL	<10	ug/L	1.0	10	10
2-CHLORONAPHTHALENE	<10	ug/L	1.0	10	10
DIMETHYL PHTHALATE	<10	ug/L	1.0	10	10
ACENAPHTHYLENE	<10	ug/L	1.0	10	10
2,6-DINITROTOLUENE	<10	ug/L	1.0	10	10
ACENAPHTHENE	<10	ug/L	1.0	10	10
2,4-DINITROPHENOL	<25	ug/L	1.0	25	25
4-NITROPHENOL	<25	ug/L	1.0	25	25
2,4-DINITROTOLUENE	<10	ug/L	1.0	10	10
DIETHYLPHTHALATE	<10	ug/L	1.0	10	10
4-CHLOROPHENYL-PHENYLETHE	<10	ug/L	1.0	10	10
FLUORENE	<10	ug/L	1.0	10	10

Report Notes:



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: SBLK;060100.
SDG: WQ1512
Report Date: 6/19/00
PO No.: FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: SW8270
Date Analyzed: 6/3/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
SBLK;060100.	AQ	-	-	6/1/2000	JRN	SW3520	JG
Compound	Result	Units	DF	Sample PQL	Method PQL		
4,6-DINITRO-2-METHYLPHENOL	<25	ug/L	1.0	25	25		
N-NITROSODIPHENYLAMINE	<10	ug/L	1.0	10	10		
4-BROMOPHENYL-PHENYLETHER	<10	ug/L	1.0	10	10		
HEXACHLOROBENZENE	<10	ug/L	1.0	10	10		
1,2-DIPHENYLHYDRAZINE	<10	ug/L	1.0	10	10		
PENTACHLOROPHENOL	<25	ug/L	1.0	25	25		
PHENANTHRENE	<10	ug/L	1.0	10	10		
ANTHRACENE	<10	ug/L	1.0	10	10		
DI-N-BUTYLPHTHALATE	<10	ug/L	1.0	10	10		
FLUORANTHENE	<10	ug/L	1.0	10	10		
BENZIDINE	<25	ug/L	1.0	25	25		
PYRENE	<10	ug/L	1.0	10	10		
BUTYLBENZYLPHthalate	<10	ug/L	1.0	10	10		
3,3'-DICHLOROBENZIDINE	<10	ug/L	1.0	10	10		
BENZO[A]ANTHRACENE	<10	ug/L	1.0	10	10		
CHRYSENE	<10	ug/L	1.0	10	10		
BIS(2-ETHYLHEXYL)PHTHALATE	<10	ug/L	1.0	10	10		
DI-N-OCTYLPHthalate	<10	ug/L	1.0	10	10		
BENZO[B]FLUORANTHENE	<10	ug/L	1.0	10	10		
BENZO[K]FLUORANTHENE	<10	ug/L	1.0	10	10		
BENZO[A]PYRENE	<10	ug/L	1.0	10	10		
INDENO[1,2,3-CD]PYRENE	<10	ug/L	1.0	10	10		
DIBENZ[A,H]ANTHRACENE	<10	ug/L	1.0	10	10		
BENZO[G,H,I]PERYLENE	<10	ug/L	1.0	10	10		
2-FLUOROPHENOL	75	%	1.0				
PHENOL-D6	75	%	1.0				
NITROBENZENE-D5	78	%	1.0				
2-FLUOROBIPHENYL	77	%	1.0				
2,4,6-TRIBROMOPHENOL	68	%	1.0				
TERPHENYL-D14	95	%	1.0				

Report Notes:

Katahdin Analytical Services

LCS/LCSD Report

Sample	File Name	Date Acquired	Time inj	Analyst	Matrix	Method
LCS;060100	Z4861	6/3/00	21:09	JG	AQ	8270
LCSD;060100	Z4862	6/3/00	21:51	JG	AQ	8270

Compound Name	Spk Amt ug/L	LCS Result ug/L	LCSD Result ug/L	LCS Rec (%)	LCSD Rec (%)	Rec. Limits (%)	RPD (%)	RPD Limit (%)
1,2,4-TRICHLOROBENZENE	50	26.0	33.3	*52	*67	70-130	25	30
1,2-DICHLOROBENZENE	50	24.7	32.4	*49	*65	70-130	28	30
1,3-DICHLOROBENZENE	50	23.2	30.5	*46	*61	70-130	28	30
1,4-DICHLOROBENZENE	50	23.8	31.8	*48	*64	70-130	28	30
2,2-OXYBIS(1-CHLOROPROPANE)	50	37.6	46.9	75	94	70-130	22	30
2,4,6-TRICHLOROPHENOL	100	62.9	73.0	*63	73	70-130	15	30
2,4-DICHLOROPHENOL	100	62.6	76.2	*63	76	70-130	19	30
2,4-DIMETHYLPHENOL	100	59.9	72.0	*60	72	70-130	18	30
2,4-DINITROPHENOL	100	78.4	87.6	78	88	70-130	12	30
2,4-DINITROTOLUENE	50	34.7	38.7	*69	77	70-130	11	30
2,6-DINITROTOLUENE	50	36.5	41.3	73	83	70-130	13	30
2-CHLORONAPHTHALENE	50	38.4	42.8	77	86	70-130	11	30
2-CHLOROPHENOL	100	59.5	77.1	*60	77	70-130	25	30
2-NITROPHENOL	100	62.0	78.0	*62	78	70-130	23	30
3,3'-DICHLOROBENZIDINE	50	33.3	35.1	*67	70	70-130	4.4	30
4,6-DINITRO-2-METHYLPHENOL	100	78.0	90.5	78	90	70-130	14	30
4-BROMOPHENYL-PHENYLETHER	50	34.5	38.0	*69	76	70-130	9.6	30
4-CHLORO-3-METHYLPHENOL	100	69.5	77.7	70	78	70-130	11	30
4-CHLOROPHENYL-PHENYLETHER	50	34.0	38.2	*68	76	70-130	11	30
4-NITROPHENOL	100	48.1	53.6	*48	*54	70-130	12	30
ACENAPHTHENE	50	32.1	36.3	*64	73	70-130	13	30
ACENAPHTHYLENE	50	30.6	35.3	*61	71	70-130	15	30
ANTHRACENE	50	36.0	40.3	72	81	70-130	12	30
BENZO[A]ANTHRACENE	50	33.2	36.2	*66	72	70-130	8.7	30
BENZO[A]PYRENE	50	33.3	36.2	*67	72	70-130	7.2	30
BENZO[B]FLUORANTHENE	50	35.4	38.1	71	76	70-130	6.8	30
BENZO[G,H,I]PERYLENE	50	33.0	36.2	*66	72	70-130	8.7	30
BENZO[K]FLUORANTHENE	50	35.0	38.8	70	78	70-130	11	30
BIS(2-CHLOROETHOXY)METHANE	50	29.8	36.7	*60	73	70-130	20	30
BIS(2-CHLOROETHYL)ETHER	50	33.4	42.4	*67	85	70-130	24	30
BIS(2-ETHYLHEXYL)PHTHALATE	50	34.6	39.4	*69	79	70-130	14	30
BUTYLBENZYL PHTHALATE	50	35.2	38.8	70	78	70-130	11	30
CHRYSENE	50	34.3	37.6	*69	75	70-130	8.3	30
DI-N-BUTYLPHTHALATE	50	36.2	40.2	72	80	70-130	10	30
DI-N-OCTYLPHTHALATE	50	37.5	41.6	75	83	70-130	10	30
DIBENZ[A,H]ANTHRACENE	50	31.3	34.4	*63	*69	70-130	9.1	30
DIETHYLPHTHALATE	50	35.8	39.6	72	79	70-130	9.3	30
DIMETHYL PHTHALATE	50	34.4	39.0	*69	78	70-130	12	30

RPD = (lcs rec - lcse rec) /[(lcse rec +lcse rec)/2] * 100

* Out of Limits

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Katahdin Analytical Services
LCS/LCSD Report

Sample	File Name	Date Acquired	Time inj	Analyst	Matrix	Method
LCS;060100	Z4861	6/3/00	21:09	JG	AQ	8270
LCSD;060100	Z4862	6/3/00	21:51	JG	AQ	8270

Compound Name	Spk Amt ug/L	LCS Result ug/L	LCSD Result ug/L	LCS Rec (%)	LCSD Rec (%)	Rec. Limits (%)	RPD (%)	RPD Limit (%)
FLUORANTHENE	50	36.2	39.0	72	78	70-130	8	30
FLUORENE	50	33.4	36.6	*67	73	70-130	8.6	30
HEXACHLOROBENZENE	50	32.9	37.4	*66	75	70-130	13	30
HEXACHLOROBUTADIENE	50	22.2	29.0	*44	*58	70-130	27	30
HEXACHLOROCYCLOPENTADIENE	50	11.7	15.9	*23	*32	70-130	*33	30
HEXACHLOROETHANE	50	21.6	29.1	*43	*58	70-130	30	30
INDENO[1,2,3-CD]PYRENE	50	31.9	34.8	*64	70	70-130	9	30
ISOPHORONE	50	30.2	36.1	*60	72	70-130	18	30
N-NITROSODI-N-PROPYLAMINE	50	32.5	39.2	*65	78	70-130	18	30
N-NITROSODIPHENYLAMINE	100	78.6	88.1	79	88	70-130	11	30
NAPHTHALENE	50	29.4	36.3	*59	73	70-130	21	30
NITROBENZENE	50	32.2	40.2	*64	80	70-130	22	30
PENTACHLOROPHENOL	100	75.2	85.0	75	85	70-130	12	30
PHENANTHRENE	50	35.7	40.0	71	80	70-130	12	30
PHENOL	100	62.5	79.0	*62	79	70-130	24	30
PYRENE	50	34.5	39.0	*69	78	70-130	12	30

$$\text{RPD} = (\text{lcs rec} - \text{lcsl rec}) / [(\text{lcsl rec} + \text{lcsl rec})/2] * 100$$

* Out of Limits

2

4B
SEMIVOLATILE ORGANICS METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK;060100

Lab Name: Katahdin Analytical Services

SDG No.: WQ1512

Lab File ID: Z4955

Lab Sample ID: SBLK;060100

Instrument ID: 5972-Z

Date Extracted: 6/1/2000

GC Column: RTX-5 ID: 0.25 (mm)

Date Analyzed: 06/09/00

Matrix: (soil/water) WATER

Time Analyzed: 8:37

Level: (low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS'S, MS AND MSD'S :

Client Sample ID	Lab Sample ID	Lab Data File	Date Injected	Time Injected
LCS;060100	LCS;060100	Z4956	6/9/00	9:21:00 AM
LCSD;060100	LCSD;060100	Z4957	6/9/00	10:06:00 AM
MAY-BE-MW01S	WQ1512-1	Z4958	6/9/00	10:50:00 AM
MAY-BE-MW04S	WQ1512-2	Z4959	6/9/00	11:34:00 AM
MAY-BE-MW09S	WQ1512-3	Z4960	6/9/00	12:18:00 PM
MAY-BE-DUP	WQ1512-4	Z4961	6/9/00	1:02:00 PM
MAY-BE-MW10S	WQ1512-5	Z4962	6/9/00	1:46:00 PM



KATAHDIN ANALYTICAL SERVICES

REPORT OF ANALYTICAL RESULTS

Client: RICK OFSANKO
TETRA TECH NUS
794 MILITARY TRAIL

DEERFIELD BEACH, FL 33442

Proj. ID: MAYPORT,FL

Lab Number: SBLK;060100
SDG: WQ1512
Report Date: 6/19/00
PO No. : FLOR-N0397-P99632
Project: CTO#109
% Solids: N/A
Method: EPA 8270
Date Analyzed: 6/9/00

Sample Description	Matrix	Sampled Date	Rec'd Date	Ext. Date	Ext'd By	Ext. Method	Analyst
SBLK;060100	AQ	-	-	6/1/2000	JRN	SW3520	JG
Compound	Result	Units	DF	Sample PQL	Method PQL		
BENZO[A]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[B]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[K]FLUORANTHENE	<0.05	ug/L	1.0	0.05	0.05		
BENZO[A]PYRENE	<0.05	ug/L	1.0	0.05	0.05		
INDENO[1,2,3-CD]PYRENE	<0.05	ug/L	1.0	0.05	0.05		
DIBENZ[A,H]ANTHRACENE	<0.05	ug/L	1.0	0.05	0.05		

Report Notes:

Katahdin Analytical Services

LCS/LCSD Report

Sample	File Name	Date Acquired	Time inj	Analyst	Matrix	Method
LCS;060100	Z4956	6/9/00	9:21	JG	AQ	8270
LCSD;060100	Z4957	6/9/00	10:06	JG	AQ	8270

Compound Name	Spk Amt	LCS Result	LCSD Result	LCS Rec	LCSD Rec	Rec. Limits	RPD	RPD Limit
	ug/L	ug/L	ug/L	(%)	(%)	(%)	(%)	(%)
BENZO[A]ANTHRACENE	50	34.2	40.6	*68	81	70-130	17	30
BENZO[A]PYRENE	50	34.5	38.9	*69	78	70-130	12	30
BENZO[B]FLUORANTHENE	50	36.6	47.8	73	96	70-130	27	30
BENZO[K]FLUORANTHENE	50	35.8	32.0	72	*64	70-130	12	30
DIBENZ[A,H]ANTHRACENE	50	32.7	37.4	*65	75	70-130	14	30
INDENO[1,2,3-CD]PYRENE	50	34.8	38.2	70	76	70-130	8.2	30

$$\text{RPD} = (\text{lcs rec} - \text{lcsl rec}) / [(\text{lcsl rec} + \text{lcs rec})/2] * 100$$

* Out of Limits

1

KATAHDIN ANALYTICAL SERVICES, INC.
 SAMPLE RECEIPT CONDITION REPORT
 Tel. (207) 874-2400
 Fax (207) 775-4029

CLIENT: Tetra Tech

PROJECT: Mayport

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. CHAIN OF CUSTODY MATCHES SAMPLES?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
5. TEMPERATURE BLANKS PRESENT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. SAMPLES RECEIVED AT 4°C +/- 2°? ICE/ ICE PACKS PRESENT (Y or N)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
7. VOLATILES FREE OF HEADSPACE?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8. TRIP BLANK PRESENT IN THIS COOLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9. PROPER SAMPLE CONTAINERS AND VOLUME?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Katahdin Analytical Services SAMPLES PROPERLY PRESERVED ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
CORRECTIVE ACTION REPORT FILED?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		

ANALYTICAL PROGRAMS (CIRCLE ONE)	COMMERCIAL	CLP	HAZWRAP	NFESC	ACOE	AFCEE	OTHER (STATE OF ORIGIN):
LOG-IN NOTES ⁽¹⁾ :	Received SVOA for MW-105, not marked on COC Trip Blank is not on COC						

Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.



340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE PRINT IN PEN

Page 1 of 1

Client TETRA Tech NUS	Contact Rick Ofsako	Phone # (954) 570-5885	Fax # (954) 570-5974																	
Address 794 S. Military Trail	City Deerfield Beach	State FL	Zip Code 33442																	
Purchase Order #	Proj. Name / No. NS Mayport, Bldg 1586	Katahdin Quote #																		
Bill (if different than above)		Address																		
Sampler (Print / Sign) GARY BRAGANZA/Gary Braga		Copies To:																		
LAB USE ONLY	WORK ORDER #: WQ1512	ANALYSIS AND CONTAINER TYPE PRESERVATIVES																		
KATAHDIN PROJECT MANAGER _____			Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																	
REMARKS: _____			VQA 40ml - HCl (pres.)	VQA SVOA	VQA 1 Liter															
SHIPPING INFO: <input type="checkbox"/> FED EX <input type="checkbox"/> UPS <input type="checkbox"/> CLIENT																				
AIRBILL NO: _____																				
TEMP°C _____ <input type="checkbox"/> TEMP BLANK <input type="checkbox"/> INTACT <input type="checkbox"/> NOT INTACT																				
*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.																
	MAY-BE-MW01S	5/25 13:40	GrW	5	✓	✓														
	MAY-BE-MW04S	14:10		5	✓	✓														
	MAY-BE-MW09S	14:45		5	✓	✓														
	MAY-BE-MW10S	13:00		5	✓															
	MAY-BE-DUP	✓ /	✓	5	✓	✓														
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COMMENTS																				

Relinquished By: (Signature) Gary Braga	Date / Time 5/25 16:00	Received By: (Signature) S. 26.00	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Relinquished By: (Signature) Gary Braga	Date / Time 5/25 16:00	Received By: (Signature) 0840	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

KATAHDIN ANALYTICAL SERVICES, INCORPORATED
 New England-ME Laboratory (207) 874-2400
 CONFIRMATION

Page 1

ORDER NO WQ-1512

REPORT TO: RICK OFSANKO
 TETRA TECH NUS
 794 MILITARY TRAIL
 DEERFIELD BEACH, FL 33442

Project Manager: Andrea J. Colby
 ORDER DATE: 05/26/00
 PHONE: 954/570-5885
 FAX: 954/570-5974
 DUE: 23 JUN
 FAC.ID: MAYPORT, FL

INVOICE: ACCOUNTS PAYABLE
 TETRA TECH NUS, INC.
 FOSTER PLAZA 7, 661 ANDERSEN DR.
 PITTSBURGH, PA 15220

PHONE: 412/921-7090
 PO: PITT-N0397-P99632
 PROJECT: CTO#109

SAMPLED BY: G.BRAGANZA

DELIVERED BY: FEDEX

DISPOSE: AFTER 25 JUL

ITEM	LOG NUMBER	SAMPLE DESCRIPTION	SAMPLED DATE/TIME	RECEIVED	MATRIX
1	WQ1512-1	MAY-BE-MW01S	25 MAY 1340	26 MAY	AQ
	WQ1512-2	MAY-BE-MW04S	25 MAY 1410		
	WQ1512-3	MAY-BE-MW09S	25 MAY 1445		
	WQ1512-4	MAY-BE-DUP	25 MAY		
	WQ1512-5	MAY-BE-MW10S	25 MAY 1300		

DETERMINATION	METHOD	QTY	PRICE	AMOUNT
Priority Pollutant Volatile Organics by SW8260	5	110.00	550.00	
Priority Pollutant Semivolatile Organics SW8270	5	210.00	1050.00	
PAHs by EPA8270	EPA 8270	5	80.00	400.00

TOTALS 5 400.00 2000.00

LOG NUMBER	SAMPLE DESCRIPTION	SAMPLED DATE/TIME	RECEIVED	MATRIX
2 WQ1512-6	TRIP BLANK	23 MAY 1245	26 MAY	AQ

DETERMINATION	METHOD	QTY	PRICE	AMOUNT
Priority Pollutant Volatile Organics by SW8260	1	110.00	110.00	

ORDER NOTE: QC-II & NARRATIVE
 DD(KAS007QC-DB3)
 NFESC
 MAYPORT
 INVOICE X 3

REPORT COPY: LEE LECK
 TETRA TECH NUS
 FOSTER PLAZA 7
 661 ANDERSEN DR.
 PITTSBURGH, PA 15220
 REPORT & DISK

INVOICE: With Report

TOTAL ORDER AMOUNT \$2,110.00
 This is NOT an Invoice

AJC/BKR/WEST.AJC(dw)

05-26 Please contact KATAHDIN ANALYTICAL SERVICES promptly if you have any questi

**ADDENDUM
ORIGINAL CHAIN OF CUSTODY**



340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE PRINT IN PEN

Page 1 of 1

Client TETRA TECH NUS	Contact Rick Ofsako	Phone # (954) 570-5885	Fax # (954) 570-5974		
Address 794 S. Military Trail	City Deerfield Beach	State FL	Zip Code 33442		
Purchase Order #	Proj. Name / No. NS Mayport, Bldg 1586	Katahdin Quote #			
Bill (if different than above)		Address			
Sampler (Print / Sign) GARY BRAGANZA / Gary Braga		Copies To:			
LAB USE ONLY		WORK ORDER #: WQ 1512			
KATAHDIN PROJECT MANAGER		ANALYSIS AND CONTAINER TYPE PRESERVATIVES			
REMARKS:		<input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt.			
SHIPPING INFO: <input type="checkbox"/> FED EX <input type="checkbox"/> UPS <input type="checkbox"/> CLIENT		VOA 40ml - HCl (pres.)			
AIRBILL NO:		SVOA 1 Litter			
TEMP°C <input type="checkbox"/> TEMP BLANK <input type="checkbox"/> INTACT <input type="checkbox"/> NOT INTACT					
*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt. <input checked="" type="checkbox"/> Y <input type="checkbox"/> O <input type="checkbox"/> N <input type="checkbox"/> Filt.
	MAY-BE-MW01S	5/25 /13:40	GW	5	✓ ✓
	MAY-BE-MW04S	/14:10		5	✓ ✓
	MAY-BE-MW09S	/14:45		5	✓ ✓
	MAY-BE-MW10S	/13:00		5	✓
	MAY-BE-DUP	↓ / ↓		5	✓ ✓
		/			
COMMENTS					
Relinquished By: (Signature) Gary Braga	Date / Time 5/25 16:00	Received By: (Signature) Shelly W - \$26.00	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)